NH-12

1080p HD, 12,000 lumens three chip DLP projector with optional multi-windowing software

Barco's NH-12 is the world's first three-chip DLP projector that features a full 1080p HD resolution and Windows desktop integration capabilities.

The NH-12's 12,000 lumens light output is strong enough to project clear images even in the brightest environments, rendering it a perfect asset for any auditorium, large meeting room or bright presentation environment.

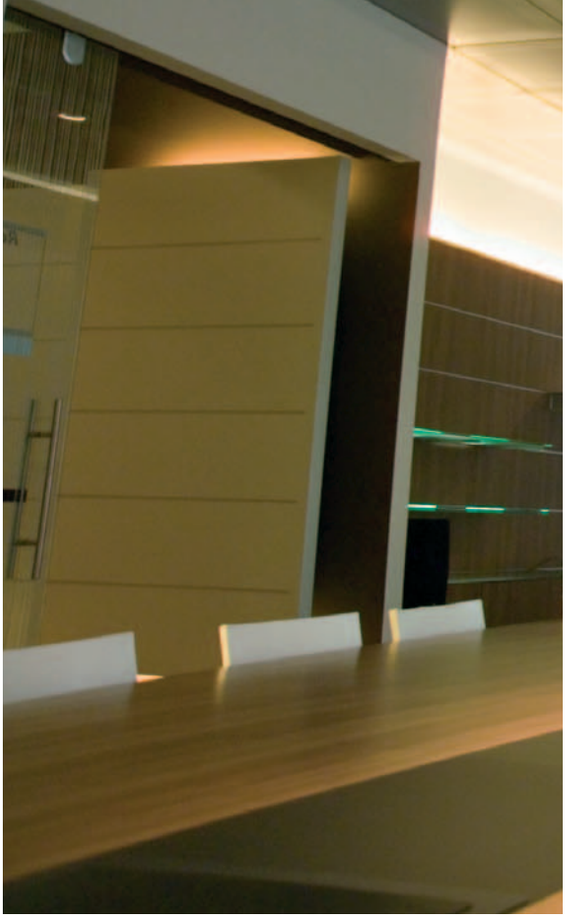
BARCO

Visibly yours

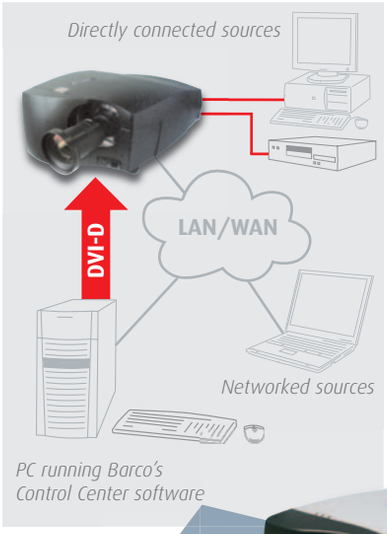
Flawless image quality for large venues

Barco's NH-12 is the first three-chip DLP projector in the world that effortlessly combines a bright light output of 12,000 lumens with, 1080p HD resolution and an optional **Windows desktop interface**. The NH-12's technological capabilities are further enhanced by its unique floating point video processing that deepens its color saturation, and its compact, powerful 2kW xenon lamp.

The NH-12 responds to the need of companies and organizations to have reliable, professional and user-friendly projection for large meeting rooms and auditoriums with lots of ambient light.



XDS Control Center software suite



Barco's XDS Control Center is a multi-windowing software suite that integrates a **familiar Windows desktop environment** into Barco projection systems. It enables direct and easy access to all connected, local and networked sources simultaneously with mouse and keyboard.

Whether the NH-12 is used as a stand-alone unit or as part of a larger display system, thanks to the XDS Control Center, you will have the same familiar Windows interface on your screen.

The features of the XDS Control Center that enhance **your collaborative workflow** include:

Flexible multi-windowing

All sources connected to the NH-12 are rendered in familiar windows. These can be resized, moved or made to overlap anywhere on the screen without delay. For example, you can comfortably display a DVD feed alongside data from an MS Office application and important auxiliary images. In this way, the XDS Control Center offers the **most flexible and user-friendly** way of working with multiple sources.

Windows desktop OS

The NH-12 projects a widescreen Windows desktop, and turns it into an extremely user-friendly presentation or meeting room canvas. This interface is immediately familiar, lowering the threshold for you to **get the maximum** out your system.

Rapid source and layout selection

Through the XDS Control Center, you can directly access sources by clicking on the corresponding icons. Similarly, you can **create and save layouts** to recall them later through the same menu. This way, you don't need to waste time in recreating the same layouts. You can also group layouts in folders, and cycle through layouts within these folders, rendering the NH-12 an extremely flexible presentation tool.

Remote desktop sharing

You want direct access to your own desktop during a meeting? With Barco's XDS Control Center, you can. You can easily retrieve **any number of wired or wirelessly connected desktops**, and display them on the screen. Conversely, you can send your computer's desktop image to one or more local and remote display systems. This remote content transfer is always **password-protected and encrypted**, to guarantee maximum safety for sensitive operations.

Mouse and keyboard control

Why make things difficult? Thanks to the XDS Control Center, **the NH-12 is controlled simply with mouse and keyboard**, like a regular desktop computer, eliminating the need to invest in additional peripherals or learn how to operate them. If you have the networked desktop sharing tool installed, you can use your display system's mouse and keyboard to directly **take control of remote desktops**.

Razor-sharp, natural video-conferencing

An added asset of the NH-12's superior 1080p HD resolution and its networking capabilities is that it can display **videoconferencing applications in lifelike, natural detail** on a large screen. You can control audio and camera settings, and let videoconferencing windows run alongside other sources and applications easily.

Centralized control and support

The NH-12 presents a great asset for your tech support staff, as it allows **easy, centralized control and diagnostics** over the network. It enables remote display management, including automated startup and shutdown. You can also create, test and control layouts remotely in preview mode, from the comfort of your own office, even when not connected to the display, and later upload your changes when you are back online.

Revolutionary new design

The aesthetically designed NH-12 boasts a completely new chassis. Its liquid-cooled optical engine is aimed at a significantly increased reliability, as well as some of the lowest noise levels in its class, averaging well under 49dB. The NH-12's optical engine is also fully sealed, which means no dust can enter and cause degradation in contrast and black levels, and the need for filter replacement is eliminated. The NH-12's rock solid lens holder further guarantees long-lasting image stability. All of this grants the NH-12 a system lifetime that is substantially longer than that of similar three-chip DLP systems, a platform already noted for its great reliability.

Ready for multi-channel action

Barco's NH-12 comes readily equipped for multi-channel action, if you require an even larger viewing canvas. The NH-12 possesses the following features that make it an excellent tool for such applications:

• Through Barco-engineered electronic or optical **edge blending**, overlap zones where projections converge are completely eliminated, creating one, seamless image.

• Linked **constant light output** (CLO) and DynaColor accurately match color and brightness levels across channels to guarantee the same image quality throughout the entire image, independent of projector or lamp runtime.

Optionally, Barco's NH-12 can also be equipped with Barco-engineered **warping** capabilities that ensure pixel-perfect projection on curved or spherical screen surfaces, to guarantee a complete feeling of immersion in your presentation.

Reducing your total cost of ownership

The price of a projection system is more than just its purchase: servicing, maintenance, peripherals and learning curves should also be taken into account, and often add up to a much higher cost. When fully integrated with the XDS Control Center software, Barco's NH-12 greatly reduces the total cost of ownership on many levels:

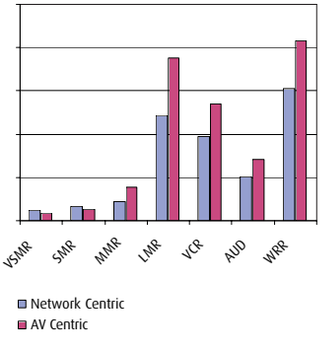
• **You save time,** because you don't need to learn how to work with a new interface and connect various sources over and over again. You simply use Windows and its Barco XDS Control Center options.

• **You save money,** because you don't need to buy remote controls or matrix switchers. Instead, you use keyboard and mouse, and display sources simultaneously on one screen, in fully reconfigurable windows.

• **Reduce maintenance costs.** Your projection system is practically maintenance-free due to its sealed optical engine, and its centralized control and maintenance functionalities eliminate many manual check-up routines..

• **Improved reliability.** Thanks to its liquid cooling and its top-of-the-line xenon lamp, the NH-12 boasts a significantly longer system lifetime compared to other three-chip DLP systems.

Net Cost comparison



VSMR: Very small meeting room
SMR: Small meeting room
MMR: Medium size meeting room
LMR: Large meeting room
VCR: Videoconference room
AUD: Auditorium
WRR: War room

Applications

Corporations

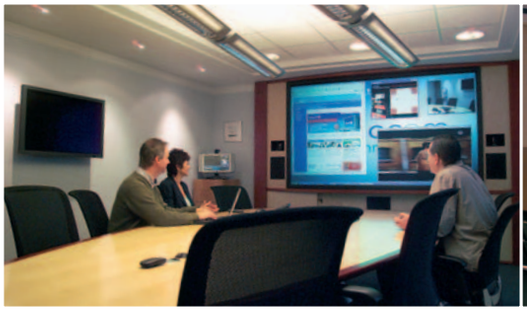
Large meeting rooms and boardrooms greatly benefit from the NH-12. When everyone pulls up their presentation from the network and multiple remote participants can be involved in the meeting, your meetings become more efficient and interactive. Simultaneous display of data and video in 1080p HD greatly enhances the pace of decision-making, and the NH-12's ease of use ensures that everyone can operate the system.

Higher education

Auditoriums need projection systems with light outputs that can pierce through the most luminous of ambient light conditions, and the NH-12 does exactly that. It also enables teachers to cross-analyze widescreen content simultaneously, or even teach from a remote location. With the XDS Control Center software, it is also possible to conduct a presentation that is invisibly controlled by an associate, so that you have your hands free at all times.

Conference centers

Professional conference centers will find a powerful ally in the NH-12, not only due to its exceptionally high brightness and input versatility, but also because it offers centralized maintenance and diagnostics capabilities. Your tech support staff receives automatic e-mail alerts in case of trouble, and automated startup and shutdown sequences greatly reduce the strain on your staff to go and switch on each system manually.



NH-12 technical specifications

Display capabilities	**Light output**	
	12,000 lumens (+/- 10%)	
	Contrast	
	2,000:1	
	Resolution	
	Full HD (1,920 x 1,080)	
	Chip technology	
	Sealed and liquid-cooled three-chip DLP	
Lamps	**Lamp**	
	2 kW Xenon	
	Lamp warranty	
	1,000 hrs	
Dimensions	**Weight**	
	70 kg (154.2 lbs) net - 85 kg (187.4 lbs) shipping weight	
	Height - width - length	
	345 / 590 / 913 mm	
	13.58″ / 23.22″ / 35.94″	
Lenses	**Available zoom lenses**	
	TLD HB (1.6-2.0:1)	R9842060
	TLD HB (2.0-2.8:1)	R9842080
	TLD HB (2.8-5.0:1)	R9842100
	TLD HB (5.0-8.0:1)	R9842120
	Available fixed focal lenses	
	TLD HB (0.8:1)	R9842040
	TLD+ (1.2:1)	R9840775
	Lens shift range	
	Horizontal shift up to +/- 65%	
	Vertical shift up to +/- 100%	
Desktop integration	XDS Control Center	R9898420
	XDS Networked Desktop Sharing	R9898430
	XDS Ext. mouse/keyb. control	R9898450
	XDS Remote Control Center	R9898440
	XDS Videoconferencing Control	R9898460
	XDS Remote Administration	R9898480

Inputs and outputs	**Standard inputs**	
	1x 5-BNC (RGBHV, RGBS or RGBsB)	
	1x Composite video (BNC)	
	1x S-Video (4-pin mini DIN)	
	1x DVI	
	1x VGA (D15)	
	Optional inputs (2 free layers)	
	See order information	
	Communication ports	
	RS232 (on D9)	
	IR or wired remote	
	10/100 Mb/s Ethernet (on RJ45)	
Compatibility	**Video**	
	PAL, SECAM, NTSC signals	
	Composite, S-video, component or RGB formats	
	All current HDTV standards (720i, 720p, 1080i, 1080p)	
	Data	
	All computer graphics formats up to QXGA @ 75Hz	
	Analog sources with a pixel clock of up to 270 MHz	
	DVI sources with a pixel clock of up to 165 MHz	
Safety	**Safety standards**	
	ETL60950 and EN60950	
	CE compliant	
	CCC compliant	
Power	**AC power**	
	200 - 240 VAC/50-60 Hz	
	Max. power consumption / dissipation	
	2,800 Watt / 9,560 BTU	
Order info	NH-12	R9010610
	New 2kW lamp	R9843080
	Refurbished lamp	R9843090
	QXGA RGBHV input board	R9843020
	DVI/D15 input board	R9843030
	SDI/HD-SDI input board	R9843040

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The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.

Barco
Presentation & Simulation Division
contact.bps@barco.com

APAC
7F, FenYang Road 138
200 031 Shanghai - China
Tel. +86 21 5465 5501
Fax +86 21 5465 5502

USA
600 Bellbrook Avenue
Xenia, OH 45385-4053
Tel. +1 (937) 372-7579
Fax +1 (937) 372-8645

EMEA & ROW
Noordlaan 5
8520 Kuurne - Belgium
Tel. +32 56 36 82 11
Fax +32 56 36 85 26